



Determine the number that correctly fills in the blank in the function machine.

1)

Input	Output
	4
13	3
19	9
20	10
12	2

2)

Input	Output
9	54
10	60
3	18
	12
5	30

3)

Input	Output
	10
5	13
3	11
7	15
10	18

4)

Input	Output
6	14
2	10
4	12
	13
3	11

5)

Input	Output
4	16
7	28
8	32
3	12
6	

6)

Input	Output
72	8
90	10
81	9
27	3
	7

7)

In	3	8	7	2
Out	15	40		10

8)

In	6	13	12	9
Out	2	9	8	5

9)

In	12	15	7	8
Out	7	10		3

10)

In	14	21	56	42
Out		3	8	6

11)

In	7	8	5	
Out	24	25	22	21

12)

In	12	8	16	4
Out	6	4		2

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____



Determine the number that correctly fills in the blank in the function machine.

1)

Input	Output
14	4
13	3
19	9
20	10
12	2

Rule: Sub 10

2)

Input	Output
9	54
10	60
3	18
2	12
5	30

Rule: Mult by 6

3)

Input	Output
2	10
5	13
3	11
7	15
10	18

Rule: Add 8

4)

Input	Output
6	14
2	10
4	12
5	13
3	11

Rule: Add 8

5)

Input	Output
4	16
7	28
8	32
3	12
6	24

Rule: Mult by 4

6)

Input	Output
72	8
90	10
81	9
27	3
63	7

Rule: Div by 9

7)

In	3	8	7	2
Out	15	40	35	10

Rule: Mult by 5

8)

In	6	13	12	9
Out	2	9	8	5

Rule: Sub 4

9)

In	12	15	7	8
Out	7	10	2	3

Rule: Sub 5

10)

In	14	21	56	42
Out	2	3	8	6

Rule: Div by 7

11)

In	7	8	5	4
Out	24	25	22	21

Rule: Add 17

12)

In	12	8	16	4
Out	6	4	8	2

Rule: Div by 2

Answers1. 142. 23. 24. 55. 246. 637. 358. 109. 210. 211. 412. 8